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Hawkeye 5130-8GP2GS

Managed 8 x 10/100/1000 PoE+ & 2 x FX/GbE SFP Switch

Description

Hawkeye 5130-8GP2GS is a managed L2 Gigabit PoE+ switch designed to satisfy customer needs of lower port density and compactable size (10.4”). The switch is complied with L2 features supporting intelligent PoE+ (802.3af/at) to fulfill the demands of transmitting voice, video, data and power over a single network cable and stands for a total PoE power budget 130W. The device is equipped with 8-port PoE+ Gigabit Ethernet in addition with 2-slot dual speed FX/GbE SFP for redundant and longer network transmission.

Hawkeye 5130-8GP2GS supports a large integration of Powered Devices such as Wireless AP, IP Cameras or VoIP Phones within a friendly enterprise budget with IEEE 802.3az Energy Efficient Ethernet for better power saving consumption. This ensures a highly reliable diversified network with quick deployment, and reduced downtime in appropriate cost saving package.

Features Highlight

Support Verity of PoE Power Consumption

Hawkeye 5130-8GP2GS supports 130W for PoE power budget, which allows an easy “plug and play” for various types of high power consuming PoE devices including PoE IP cameras like speed dome cameras, outdoor APs, VoIP Phones suitable for expanding IP surveillance systems offering various combination of Powered Devices.

Model	PoE Budget	Number of PoE Powered Devices		
 Hawkeye 5130-8GP2GS	130W	8	8	4
Variety of PoE Powered Devices		 PoE VoIP Phone  PoE Wireless CPE  PoE Mini Dome	 PoE Wireless AP  PoE IP Camera	 PoE+ Outdoor AP  PoE+ Speed Dome
Max PoE Ability (100 Meters)		Class 2 PD < 6.49 Watts	Class 3 PD < 12.95 Watts	Class 4 PD < 25.5 Watts
		Low Power	Mid Power	High Power

Impressive L2 Features

Hawkeye 5130-8GP2GS provides a collection of L2 features including IGMP Snooping and VLAN to manage the network flow of surveillance system. The device supports IGMP Snooping v1/v2/v3 for reducing network congestion in addition with efficient Storm Control and Flow Control techniques. The VLAN group offer efficient managed of broadcast traffic by reducing the broadcast domain to make the surveillance network more achievable, robust and secured.

Maintain a Redundant and Resilient Network

Hawkeye 5130-8GP2GS supports RSTP and LACP for maintaining seamless transmission within the network. RSTP reduces the network convergence time by providing a backup path in case of primary link failure, which results a secure, reliable and loop free network. LACP contributes for constructing a protected, virtual single high bandwidth channel by enclosing multiple physical ports together to achieve redundancy on condition of link failure that assures security and reliability of the network.

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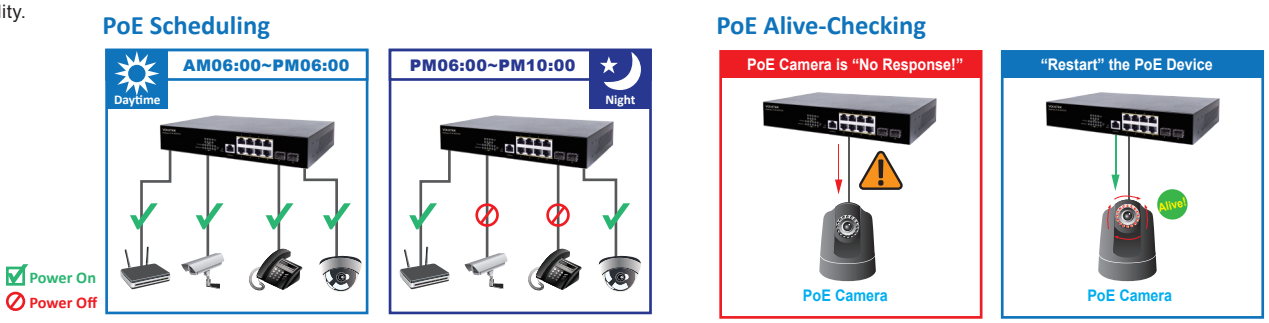
Features Highlight

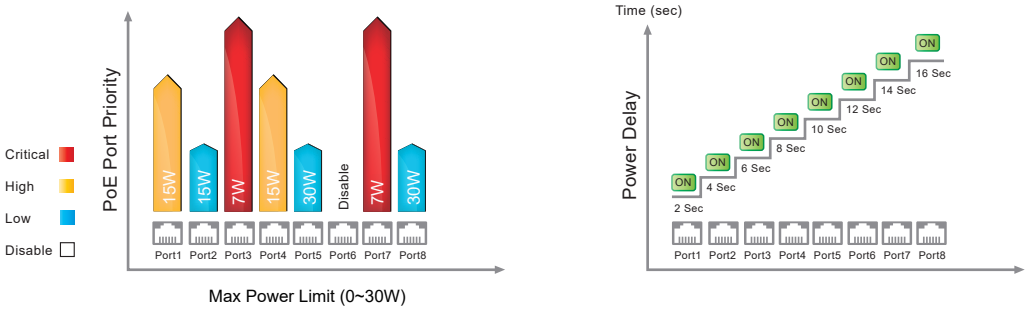
PoE Scheduling with Alive-Checking

To utilize power more efficiently, Hawkeye 5130-8GP2GS is designed with intelligent PoE features. With user-configurable power budget limit feature, administrators can set power on each port to a desired hourly/weekly schedule and can enable or disable the power output to the Powered Devices accordingly. To monitor real-time status of Powered Devices, the switch sends alive-checking packets to Powered Devices which reduces management burden and increases system reliability.



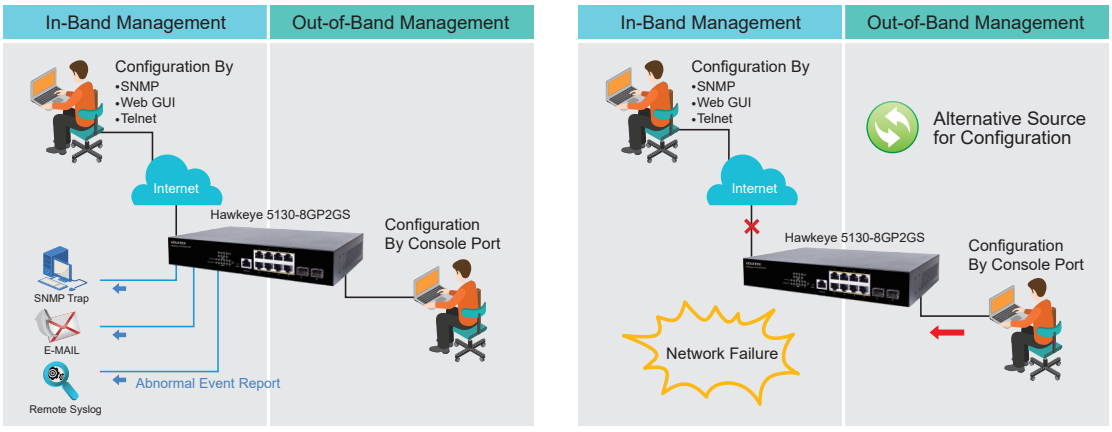
PoE Power Feeding Priority and Power Delay Functionalities

Hawkeye 5130-8GP2GS is developed with innovative PoE functionalities such as Power Feeding Priority and Power Delay. The Power Feeding Priority is applicable in the scenario where the power supply is not steady; specifically when the supply goes down, the respective power budget also reduces which is not sufficient to handle all attached Powered Devices. Hence, to deal with this situation the administrator can set up the power feeding priority as critical, high, low, disable to specific ports depending upon the essentiality of PDs. The Power Delay feature is introduced to secure the devices during the huge power fluctuation as the ports are getting activated all sudden. To address this severe problem, the ports are configurable with some delay seconds for activation which minimizes the risk of damage to the devices. Addition to the functionalities, the switch provides a Maximum Power Limit Function where each port can be constructed with a verity of PoE power consumption starting from 0~30W to achieve efficient power budget management.



Efficient Network Monitoring and Proactive Capability

Hawkeye 5130-8GP2GS is configured with SNMP v1/v2c/v3 which gives an enhanced approach for traffic analysis, monitoring and management within a surveillance network. The switch is assimilated with intelligent e-mail alarm system and SNMP Trap functionality to detect system abnormality along with Faster Troubleshooting. In addition to this, the device maintains a system log for the subsequent analysis of abnormal and unwanted flaws. For efficient network management, the switch is integrated with a Console Port (Out-of-Band Management) which provides an alternative source to deal with network failure (SNMP, GUI and Telnet).



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Features Highlight

Advance Traffic Control with Rich QoS Support

Hawkeye 5130-8GP2GS is developed with excellent traffic management and advanced QoS mechanisms to maintain a clear, smooth and stabilized network flow (voice, video and data) by providing all categories of VLAN (Port based, Tag based), balanced priority queue and intensive traffic monitoring with auto recovery timer which makes the network more uninterrupted with higher utilization of bandwidth.

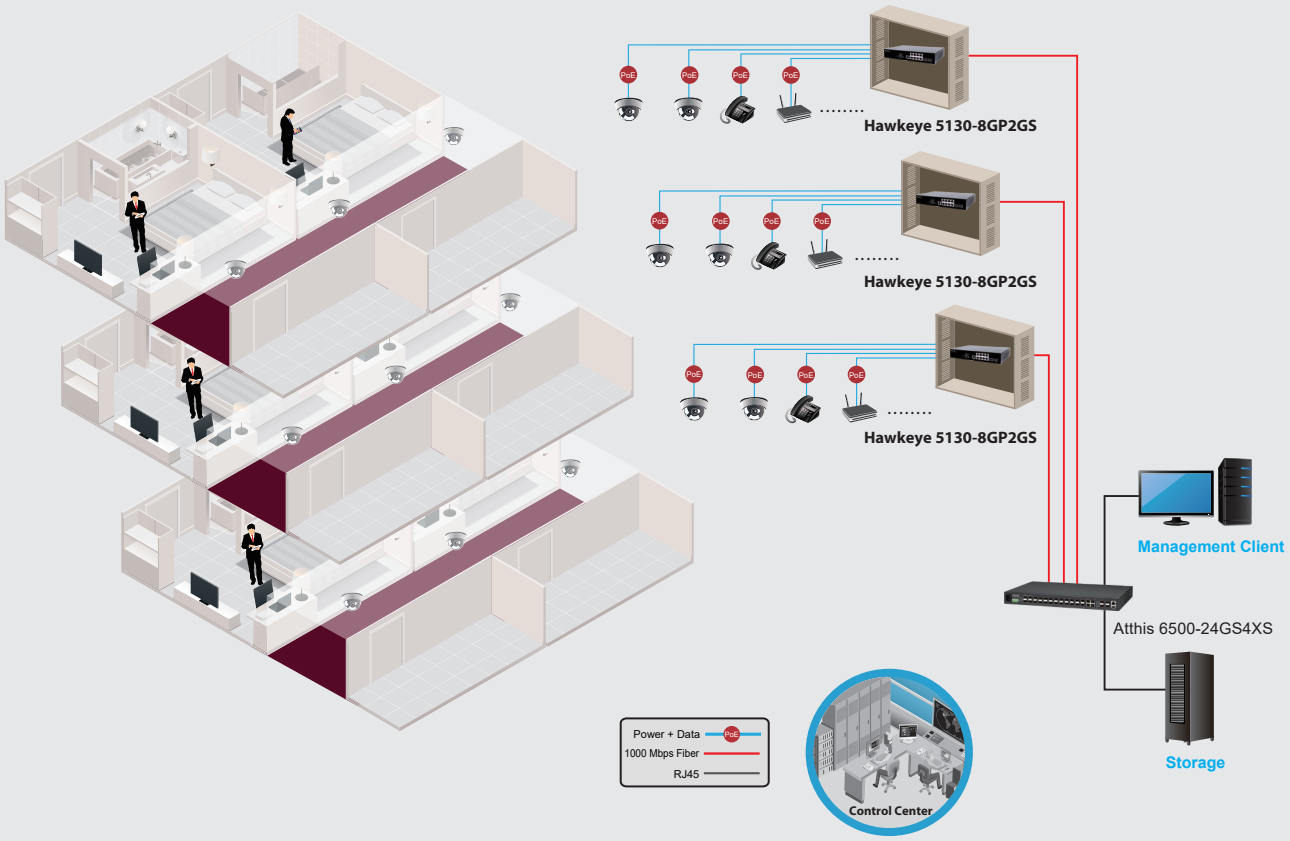
Eco-friendly Green Ethernet Design

To address the concerns of increasing power consumption, the Hawkeye 5130-8GP2GS implements IEEE 802.3az Energy Efficient Ethernet (EEE) compliant Green Ethernet technology. This eco-friendly design allows the switch to automatically adjust power consumption and conserve energy during the periods of low data activity. This helps you to lower the energy usage significantly and help you save operational costs.

Applications

Provide Suitable Network Infrastructure

Hawkeye 5130-8GP2GS supports an integration of various Powered Devices such as Wireless AP, IP Cameras or VoIP Phones all together for each floor where the power, voice, video and data are all transmitted on a single cable, eliminating the cost of extra cabling and deployment overhead to make the network more diversified, cost effective and efficiently manageable. To achieve communication within the heighten infrastructure the switch provides 8-port 10/100/1000BASE-T and 2-slot dual speed FX/GbE SFP for optical connectivity.



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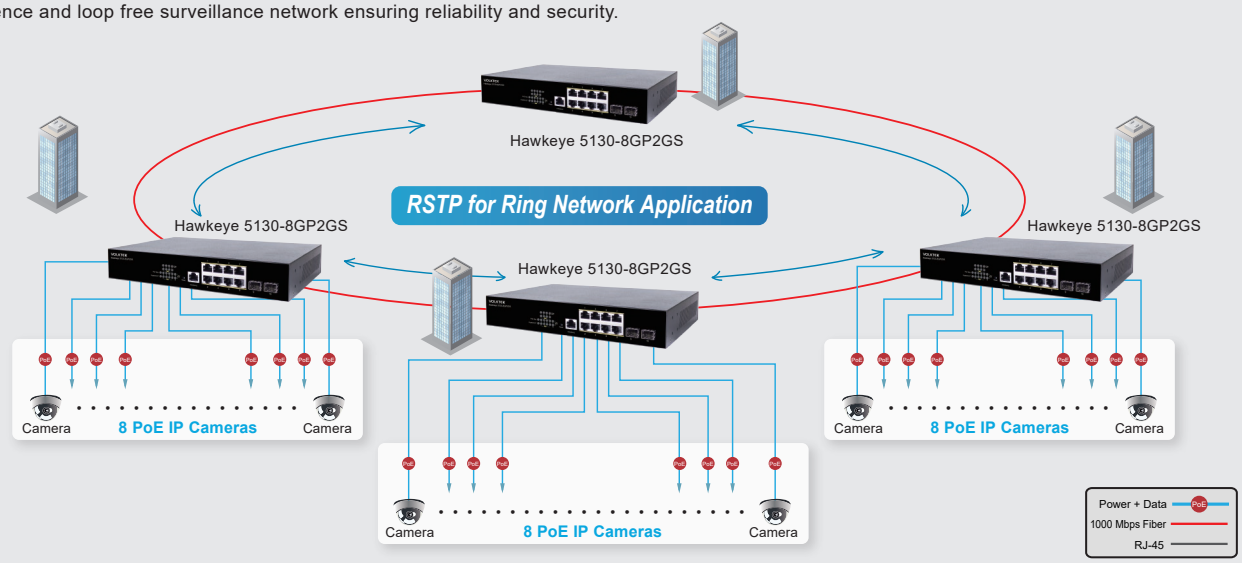
Applications

Maintain Link Redundancy and Loop Free Network

Hawkeye 5130-8GP2GS supports Rapid Spanning Tree Protocol (IEEE 802.1w RSTP) which provides redundant links to achieve a faster convergence and loop free surveillance network ensuring reliability and security.



Specifications

Standards	
IEEE 802.3	10BASE-T
IEEE 802.3u	100BASE-TX/FX
IEEE 802.3ab	1000BASE-T
IEEE 802.3z	1000BASE-SX/LX
IEEE 802.3	Nway Auto-negotiation
IEEE 802.3x	Flow Control
IEEE 802.3ad	Link Aggregation
IEEE 802.3af	Power over Ethernet
IEEE 802.3at	Power over Ethernet Plus
IEEE 802.3az	Energy Efficient Ethernet (EEE)
IEEE 802.1AB	LLDP
IEEE 802.1D	STP
IEEE 802.3w	RSTP
IEEE 802.1p	Class of Service
IEEE 802.1q	VLAN Tagging
IEEE 802.1X	Port-based Network Access Control
Interface	
Ports	8 x 10/100/1000BASE-T (PoE RJ45)
	2 x FX/GbE SFP Slots
	1 x Console Port
LED Panel	PWR/POST, PoE Max, LNK/ACT, PoE
Features	
Performance	Jumbo frame Size: 10KBytes
	MAC Table Entries: 8K
	Active VLAN: 4K
	Switch Fabric: 20Gbps
	L2 Forwarding Rate: 14.9Mpps
	Packet Buffer: 4.1Mb
Management	CLI, Telnet/SSH, HTTP, SNMP v1/v2c/v3, SNMP Trap, MVLAN, Firmware Upgradable, Configuration Backup/Restore, Syslog, SNTP, LLDP, DHCP Client/Relay/Option 82, e-mail Alarm, Server Control, Mirroring, DDM, SFP Info, Auto-Provisioning, EEE, RMON Statistics, ModbusTCP, ERPS
Reliability	STP/RSTP, Dual Homing, LACP, Static Trunk
VLAN	IEEE 802.1Q, Port-based VLAN, MAC-based VLAN
Traffic Control	IGMP Snooping, QoS, Flow Control, Rate Limit, Storm Control, Traffic Monitor, Port Isolation, Loop Detection
Security	ACL, SSH, Port-based 802.1x, Port Security, MAC Search, Static MAC, DHCP Snooping, DHCP Sever Screening, ARP Inspection, BPDU Guard/Filter, Root Guard, Managed Host
PoE/PoE+	Scheduling, PD Alive Check, PoE Power On/OFF, Feeding Power Budget Control
Power	
Input Voltage	100-240 VAC, 50/60Hz
Power Consumption	180W Maximum
PoE Power Budget	130W
Mechanical and Environment	
Form Factor	Rackmount
Operating Temperature	0ºC~40ºC (32°F~104°F)
Storage Temperature	-40ºC~70º (-40°F~158°F)
Operating Humidity	10%~90%(non-condensing)
Storage Humidity	5%~90%(non-condensing)
Dimension (W x D x H)	265 x 44 x 183 mm (10.4 x 1.7 x 7.2 in)
Weight	TBD
Standards and Certifications	
Electromagnetic Compatibility	FCC Part 15 Subpart B
	EN 55032
	EN 55035
	EN 61000-3-2
	EN 61000-3-3
RoHS	YES
Ordering Information	
5130-8GP2GS-A-C	L2+ Managed 8 x 10/100/1000 PoE+ & 2 x FX/GbE SFP Switch
Optional Accessories	
GBM-104	1000BASE-SX 1.25G, Multi-mode SFP, 500m (1640.42 ft)
GBM-123TS	1000BASE-LX, Bi-Di SFP TX:1310/RX:1550 Single Mode, 10Km, 0°C~70°C (32°F~158°F)
GBM-123RS	1000BASE-LX, Bi-Di SFP TX:1550/RX:1310 Single Mode, 10Km, 0°C~70°C (32°F~158°F)

Note:

** The SFP communication distance upon the request.*

** Specifications subject to change without notice.*

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Dimension